

NOTE

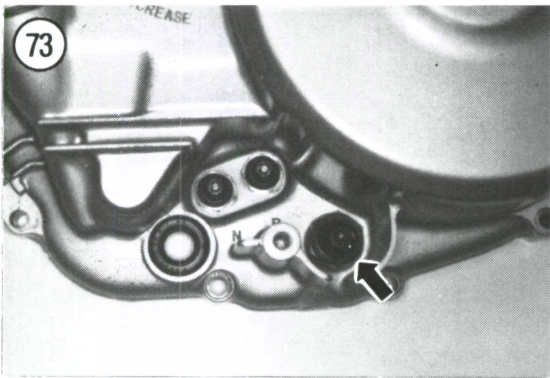
*Figure 73 is shown with the right-hand crankcase cover removed for clarity. It is not necessary to remove the cover for this procedure.*

- 4. Unscrew the oil temperature sensor (Figure 73) from the right-hand crankcase cover.
- 5. If necessary, test the sensor as described in this section.
- 6. Install the sensor in the right-hand crankcase cover and tighten to 18 N.m (13 ft.-lb.).
- 7. Connect the electrical connectors to the sensor.
- 8. Install the switch cover and bolt.
- 9. Refill the engine with the recommended type and quantity of engine oil as described in Chapter Three.

DIODE

Testing

- 1. Remove the seat.
- 2. Remove the front fender as described under *Front Fender Removal/Installation* in Chapter Thirteen.



- 3. Remove the lower bolt (Figure 65) and open the electrical connector door and disconnect the diode from the wiring harness (Figure 66).
- 4. Use an ohmmeter and check for continuity between the 2 terminals on the diode. Connect the negative (-) test lead to the negative (-) terminal and the positive (+) test lead to the positive (+) terminal. There should be continuity (low resistance) in the normal direction and no continuity (infinite resistance) in the reverse direction.
- 5. Replace the diode if it fails this test.

SWITCHES

Ignition Switch Testing

- 1. Remove the seat.
- 2. Remove the front fender as described under *Front Fender Removal/Installation* in Chapter Thirteen.
- 3. Remove the lower bolt (Figure 65) and open the electrical connector door and disconnect each individual electrical connector (Figure 66) from the wiring harness. The wire colors are as follows: red, black, pink/white and pink.
- 4. Refer to Figure 74 and connect the ohmmeter test leads to the indicated color wires with the ignition switch in the indicated positions.
- 5. If the switch is good, there will be continuity (low resistance).
- 6. If the needle does not move (no continuity) on any of the tests, the switch is faulty and must be replaced.

Light, Dimmer, Engine Kill and Starter Switch Testing

The light, dimmer, engine kill and starter switch are a single assembly. If any portion of the switch is faulty, the entire switch assembly must be replaced.

- 1. Remove the seat.
- 2. Remove the front fender as described under *Front Fender Removal/Installation* in Chapter Thirteen.
- 3. Remove the lower bolt (Figure 65) and open the electrical connector door and disconnect the 3-pin electrical connector and each individual electrical connector (Figure 66) from the wiring harness. The wire colors are as follows:
  - a. 3-pin electrical connector: green, brown and yellow/red.
  - b. Individual wires: black, white and blue.

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IGNITION SWITCH CONTINUITY TEST

	BAT1	BAT2	BAT3	IG1
Color	R	BI	P/W	P
Off				
On	●	●	●	●

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